

ABSTRACT

A method for producing an injection-molded material with an antibacterial function includes the steps of coating
5 nanosilver particles and pigment onto surfaces of plastic raw materials to make pellets of the mixture; and inserting the mixture pellets into an injection molding machine to form an injection-molded material. A cohesive agent may be mixed with a solution of the nanosilver particles and the
10 pigment prior to the step of coating the nanosilver particles and the pigment onto the surfaces of the plastic raw materials. The step of coating the nanosilver particles and the pigment onto the surfaces of the plastic raw material includes spraying the nanosilver particles and the
15 pigment onto the surfaces of the plastic raw materials or immersing the plastic raw material into a solution of the nanosilver particles and the pigment.